Wind power projects in Tamil Nadu

1467. SHRI AJIT P. K. JOGI :

SHRI RADHAKISHAN MALAVIYA :

Will the PRIME MINISTER be pleased to state :

(a) whether Government have sanctioned any new wind power projects other than Kayattar, Kanya-Kumari in Tamil Nadu;

(b) if so, the details thereof;

(c) whether the Government propose to toncrease the capacity of wind power energy at Kayattar;

(d) if so, the details thereof; and

(e) the feasibility of sea waves power generation and the time by which such power stations are likely to be located ?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI S. KRISHNA KUMAR) : (a) and (b) 2 MW demonstration wind farm at Kethanur in Coimbatore District has; recently been commissioned in Tamil Nadu. Two more demonstration projects of 2 MW each have been sanctioned at Authukinathu-patty and Thankachimadam in Poolavadi and Rameswaram Districts respectively.

(c) and (d) Further capacity addition at Kayathar is being undertaken through private sector projects.

(e) Different echnological routes to harness wave energy potential are being considered to examine the techno-economic feasibility for power generation on the Kerala coast and A & N Islands. The programme is at a development stage.

National Research Centres on Non-Conventional Energy Sources

1468. SHRI AJIT P. K. JGOI:

SHRI RADHAKISHAN MALAVIYA :

Will the PRIME MINISTER be pleased to state :

(a) what is the amount allocated for research and development of solar energy;

(b) whether Government propose to set up National Research Centres on Non-Conventional Energy Sources in Delhi, Calcutta, Bombay and Madras;

(c) if so, th; details thereof; and

(d) whether any such centre is to be established in Madhya Pradesh; if not, the reasons therefor ?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI S. KRISHNA KUMAR) : (a) An amount of Rs. 9.92 crores has been allocated during 1993-94 for research and development in Solar Energy.

(b) No, Sir.

(c) and (d) Do not arise.

Biogas plants and smokeless chulhas

1469. SHRI RADHAKISHAN MALAVIYA : Will the PRIME MINISTER be pleased to state :

(a) whether Government have received any proposals 'from State Governments, particularly from M.P., for setting up of bio-gas plants and smokeless chulhas in rural and urban areas during the last three years;

(b) if so, the details thereof, State-wise;

(c) the amount allocated for the purpose during the above period; and

(d) what has been the overall impact of biogas plants and smokeless chulhas on the environment, energy consumption pattern and on the development of non-conventional energy sources in the country ?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI S. KRISHNA KUMAR) : (a) Yes, Sir. Physical targets-for setting up of family type biogas plants and smokeless chulhas under two centrally sponsored schemes, namely, National Project on Biogas Development and National Programme on Improved Chulhas are fixed on annual basis in consultation with State Governments and Programme Implementing Agencies of all the States and Union Territo ries. Community & Institutional biogass plants were being installed in various states including Madhya Pradesh on the basis of proposals received from the state nodal departments/agencies during 1990-91 and

1991-92 whereas it has been on the basis of annual targets fixed in consultation with state nodal departments/agencies during 1992-93.

(b) State-wise information on targets and achievements in respect of Family Type Biogas plants set up under National Project on Biogas Development and Smokeless Chulha installed under National Programme for Improved Chulha for the years 1990-91 to 1992-93 is given in Annexure-2, respectively. The State-wise information pertaining to proposals sanctioned during 1990-91 & 1991-92 and targets assigned during 1992-93 vis-a-vis achievements for respective years under, the programme of community/Institutional/Night-soil Based Biogas Plants is given in Annexures [Appendix 170, Annexure No. 31, 32 and 33.1

(c) Total sums of Rs. 174.76 crores, Rs* 6.62 crores and Rs. 47.03 crores were sanctioned to different State Governments and Programme Implementing Agencies under the National Project on Biogas Development, Community & Institutional Biogas Plants Programme and National Programme on Improved Chulhas, respectively during the years 1990-91 to 1992-93.

(d) Non-Conventional Energy devices, such as biogas plants and smokeless chulhas contribute to environmental upgradation by recycling and conservation of Biogass, improving rural sanitation and reducing deforestation. A total of 17.63 lakh biogas plants installed in the country upto March, 1993 are estimated to generate biogas equivalent to 57 lakh tonnes of fuel wood whereas 145 lake smokeless chulhas installed injthe country savre fuel wood of the order of 101.5 lakh tonnes per annum.

Tapping of Mini-Hydel Power potential

1470. SHRI V. HANUMANTHA RAO : Will the PRIME MINISTER be pleased to state :

(a) whether the Ministry have mapped out. all potential areas or sites having pontial for mini-hydel projects;

(b) if so, the details thereof;

(c) whether Government have contacted State Governments and their respective Electricity Boards to study this potential; and

(d) if so, the details thereof ?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTINAL ENERGY SOURCES (SHRI S. KRISHNA KUMAR) : (a) and"(b) Based on information received from the States/ the Miiristry has prepared a list of 1300 potential small hydro power project sites upto 3 MW capacity. , The identification of sites is a continuous process in consultation with the States.

(c) and (d) Yes, Sir. The Ministry has requested the State Governments to assess the potential in their States. In order to assist in project development, the Ministry has introdu ced a composite promotional scheme for providing financial assistance for undertaking survey and investigations and preparation of Detailed Project Reports. '

Rural households using traditional cooking Chulhas

1471. DR. BAPUKALDATE :

SHRIMATI KAMLA SINHA :

Will the PRIME MINISTER be pleased to state :

(a) whether any study regarding the percentage of rural household in the country using traditional Chulhas for cooking has been conducted;

(b) if so, what are the details thereof;

(c) what is the estimated percentage of women using traditional chulhas for cooking' reported to be suffering from smoke related diseases in the rural aveas; and

(d) what efforts have been made by the State and Central Governments to improve their lot stating the result achieved ?

THE MINISTER OF STATE IN THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI S. KRTSHNA ' KUMAR) : (a) and (b) Specific study on the percentage of rural households in the country using traditional chulhas for cooking purposes has not come to the notice. However, according to the study conducted by National Council of Applied Economic Research, New Delhi, about 90% of the rural households use non-commercial sources of fuel such as fue' wood, dung-cakes and agricultural residues, f Most of the households using non-commercial . uels for cooking use traditional chulhas,